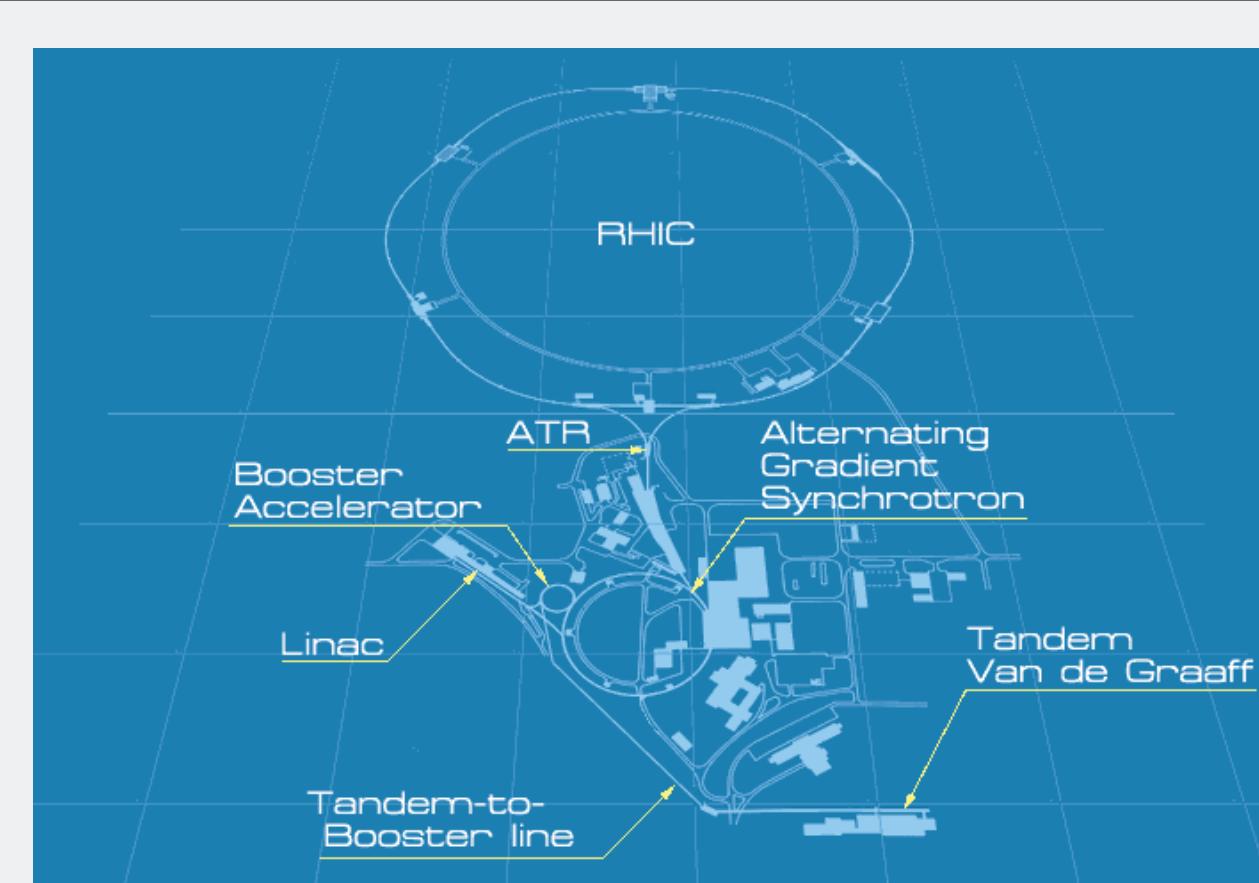




BROOKHAVEN
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The PHENIX experiment at the Relativistic Heavy Ion Collider

(list as of July 2002)



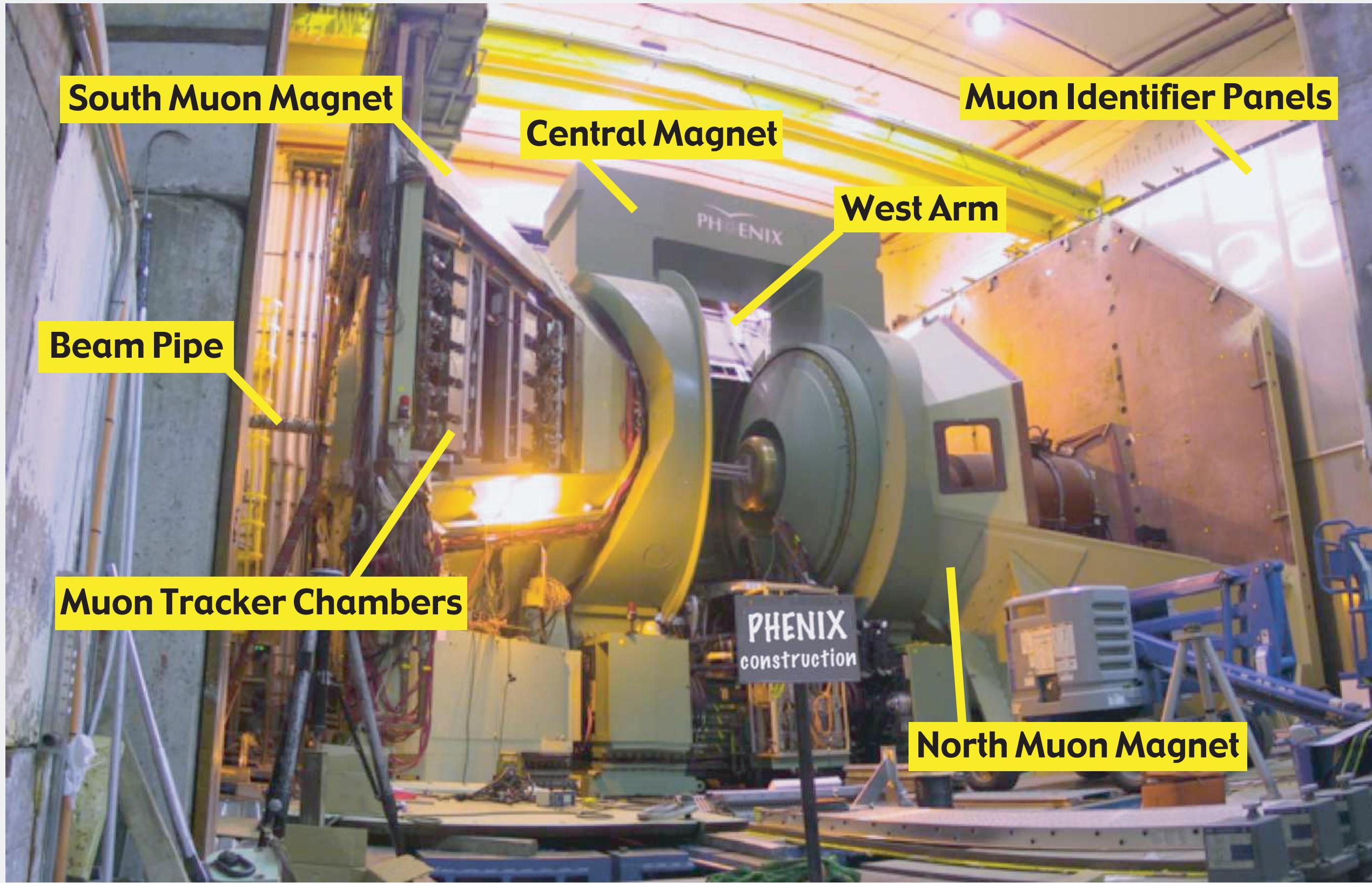
12 Countries, 57 Institutions, 460 participants (as of July 2002)



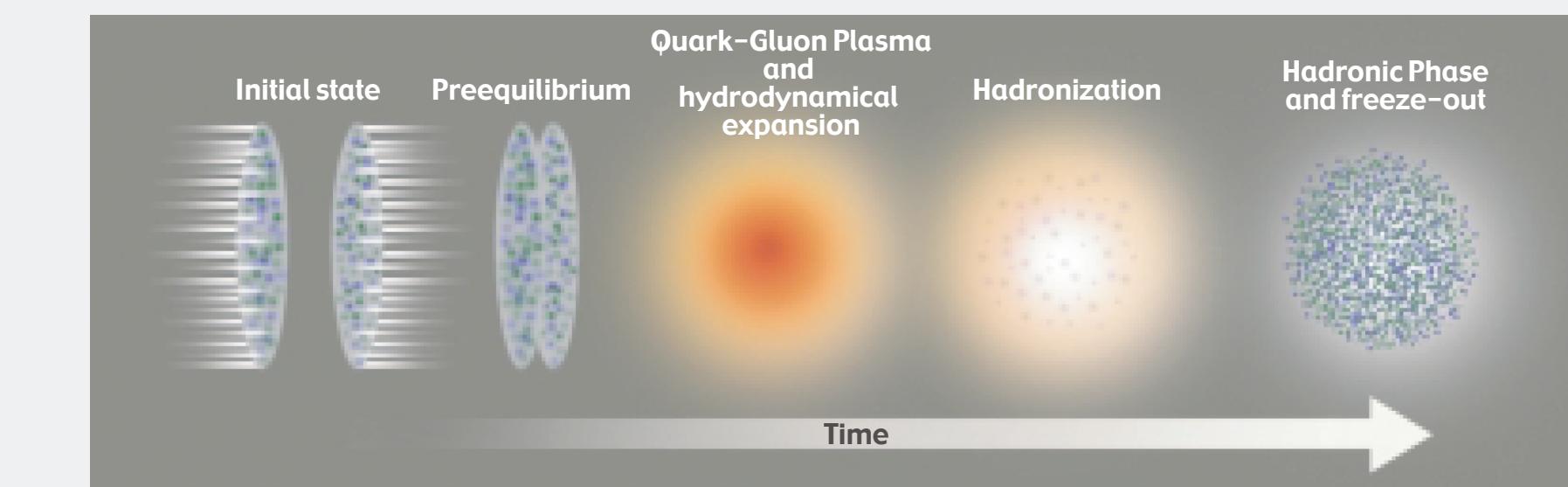
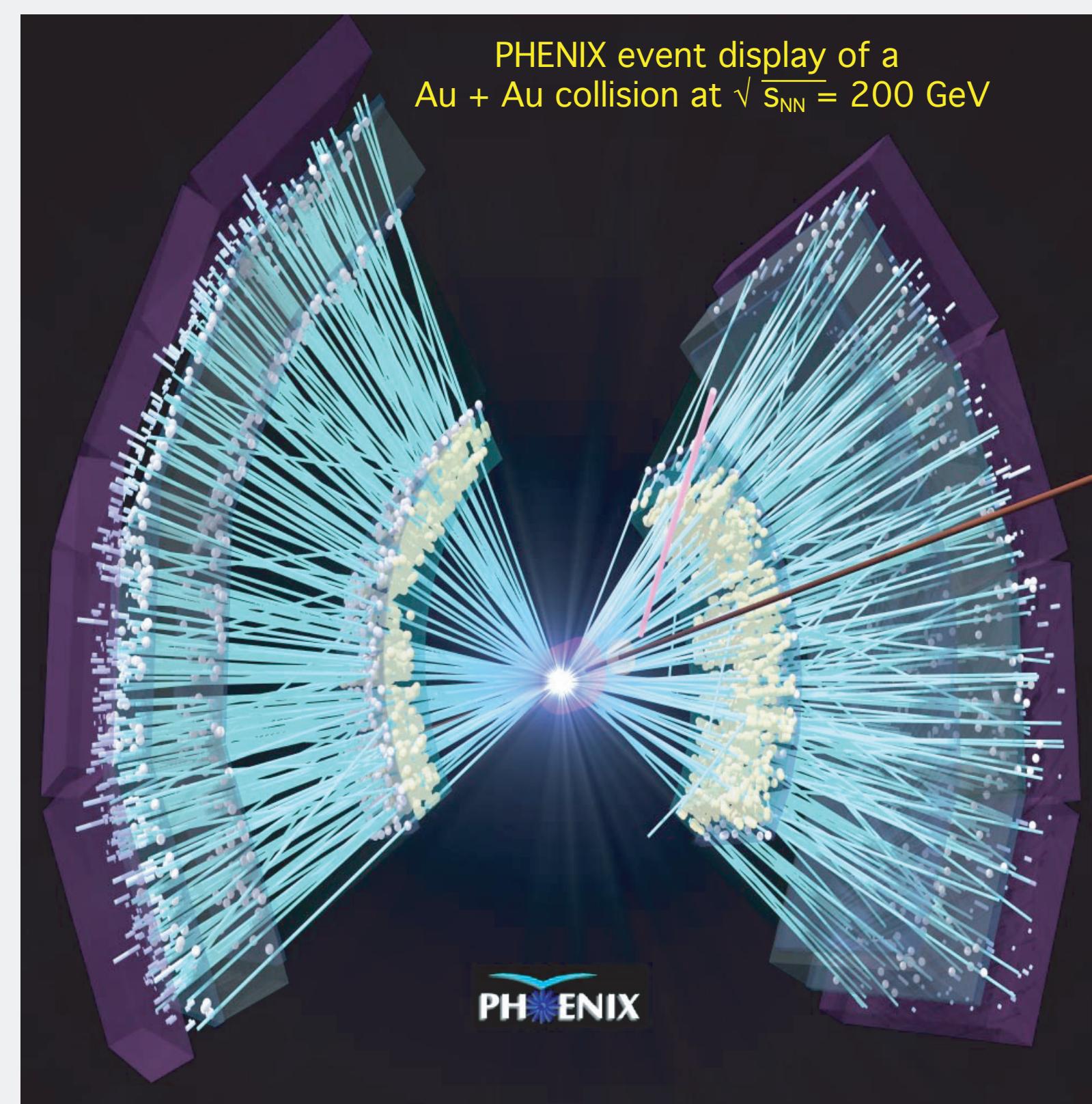
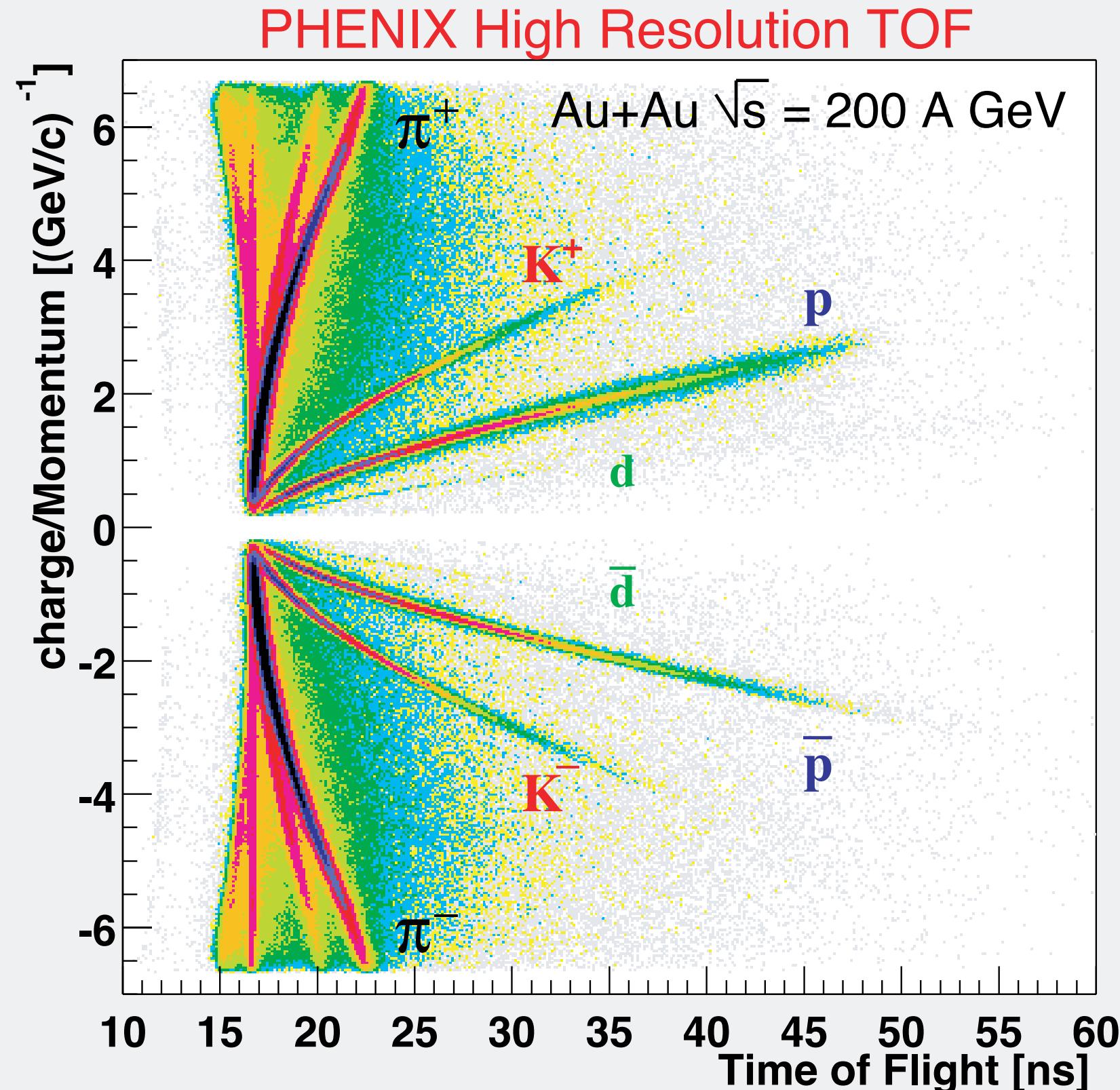
a fraction of the PHENIX collaboration

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View into the interaction hall with the three magnets



One of the central arm detector systems (East Arm)



In this schematic illustration two gold nuclei collide and give rise to thousands of quarks and gluons, which then equilibrate into a hot cauldron of matter, the quark-gluon plasma. As this plasma cools, it condenses into the ordinary particles seen by the detectors.

Charged and neutral pion yields as a function of transverse momentum (p_T). Nearly all detectors in the two central arms (indicated in red in the figure below) were involved in these three independent analyses.

